American Petroleum Institute
1220 L Street, Northwest
Washington, D.C. 20005

# weekly statistical bulletin

FINANCE, ACCOUNTING AND STATISTICS DEPARTMENT

VOL. 72 For Week Ended September 20, 1991 NO. 38

## SUMMARY*

(In Thousands of 42-gallon barrels per day except stocks which are in thousands of barrels)
(All data are estimates made by the API based on data from reporting companies)

| | Current Week Ending: 09/20/91 | Last Week Ending: 09/13/91 | Last Year Week Ending: 09/21/90 | Change From Last Week | Change From Last Year |
|---|---|---|---|---|---|
| **Refinery Operations** | | | | | |
| Input to crude oil distillation units | 13,985 | 14,134 | 14,405 | -149 | -420 |
| Operable capacity | 15,708 | 15,708 | 15,591 | 0 | 117 |
| Percent operated | 89.0 | 90.0 | 92.4 | | |
| **Motor Gasoline** | | | | | |
| Total motor gasoline production | 7,013 | 7,270 | 7,214 | -257 | -201 |
| Finished leaded motor gasoline production | 286 | 286 | 283 | 0 | 3 |
| Finished unleaded motor gasoline production | 6,727 | 6,984 | 6,931 | -257 | -204 |
| Total motor gasoline stocks | 213,306 | 213,236 | 222,263 | 70 | -8,957 |
| Finished leaded motor gasoline stocks | 6,677 | 6,753 | 10,760 | -76 | -4,083 |
| Finished unleaded motor gasoline stocks | 168,207 | 168,904 | 171,364 | -697 | -3,157 |
| **Jet Fuel Kerosine** | | | | | |
| Jet fuel kerosine production | 1,318 | 1,344 | 1,337 | -26 | -19 |
| Jet fuel kerosine stocks | 44,714 | 44,284 | 42,265 | 430 | 2,449 |
| **Distillate Fuel Oil** | | | | | |
| Distillate fuel oil production | 3,138 | 3,107 | 2,921 | 31 | 217 |
| Distillate fuel oil stocks | 135,678 | 132,857 | 136,495 | 2,821 | -817 |
| **Residual Fuel Oil** | | | | | |
| Residual fuel oil production | 847 | 884 | 901 | -37 | -54 |
| Residual fuel oil stocks | 47,771 | 46,171 | 52,219 | 1,600 | -4,448 |
| **Imports** | | | | | |
| Crude oil imports | 6,249 | 5,603 | 6,032 | 646 | 217 |
| Product imports | 2,509 | 1,676 | 1,395 | 833 | 1,114 |
| **Crude Oil Stocks** | | | | | |
| Crude oil stocks | 334,311 | 336,011 | 364,012 | -1,700 | -29,701 |
| **Crude Supply Balance** | 293 | | | | |

*See definitions on page 6.

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# weekly statistical bulletin

FINANCE, ACCOUNTING AND STATISTICS DEPARTMENT

VOL. 72 For Week Ended September 20, 1991 NO. 38

## U.S. REFINERY OPERATIONS

(Daily averages in thousands of 42-gallon barrels)

| DISTRICT | Total Refinery Input | Crude Oil Runs to Processing Units | Input to Crude Oil Distillation Units | Operable Capacity | % Operated |
|---|---|---|---|---|---|
| East Coast | 1,531 | 1,277 | 1,277 | 1,378 | 92.7 |
| Appal. No. 1 | 111 | 99 | 110 | 130 | 84.6 |
| DISTRICT 1 TOTAL | 1,642 | 1,376 | 1,387 | 1,508 | 92.0 |
| Ind., Ill., Ky. | 2,149 | 2,161 | 2,149 | 2,235 | 96.2 |
| Minn., Wisc., Daks. | 315 | 301 | 301 | 358 | 84.1 |
| Okla., Kans., Mo. | 811 | 737 | 739 | 747 | 98.9 |
| DISTRICT 2 TOTAL | 3,275 | 3,199 | 3,189 | 3,340 | 95.5 |
| Inland Texas | 614 | 543 | 552 | 598 | 92.3 |
| Texas Gulf Coast | 3,268 | 2,865 | 2,885 | 3,370 | 85.6 |
| La. Gulf Coast | 2,564 | 2,450 | 2,456 | 2,944 | 83.4 |
| N. La. and Ark. | 169 | 166 | 166 | 241 | 68.9 |
| New Mexico | 86 | 77 | 78 | 82 | 95.1 |
| DISTRICT 3 TOTAL | 6,701 | 6,101 | 6,137 | 7,235 | 84.8 |
| DISTRICT 4 TOTAL | 475 | 454 | 455 | 557 | 81.7 |
| DISTRICT 5 TOTAL | 2,948 | 2,730 | 2,817 | 3,068 | 91.8 |
| TOTAL U.S. | 15,041 | 13,860 | 13,985 | 15,708 | 89.0 |
| TOTAL U.S. Weeks Ended: | | | | | |
| SEP. 13, 1991 | 15,055 | 13,975 | 14,134 | 15,708 | 90.0 |
| SEP. 21, 1990 | 15,172 | 14,262 | 14,405 | 15,591 | 92.4 |
| DISTRICTS 1-4 Weeks Ended: | | | | | |
| SEP. 20, 1991 | 12,093 | 11,130 | 11,168 | 12,640 | 88.4 |
| SEP. 13, 1991 | 12,144 | 11,220 | 11,291 | 12,640 | 89.3 |
| SEP. 21, 1990 | 12,256 | 11,388 | 11,491 | 12,500 | 91.9 |

## API WEEKLY STATISTICAL BULLETIN

**Week Ended** September 20, 1991

### U.S. REFINERY OUTPUT

(Daily averages in thousands of 42-gallon barrels)

| DISTRICT | Total Motor Gasoline[1] | Motor Gasoline: Finished Leaded | Motor Gasoline: Finished Unleaded | Jet Fuel: Naphtha Type | Jet Fuel: Kerosine Type | Distillate Fuel Oil[2] | Residual Fuel Oil |
|---|---|---|---|---|---|---|---|
| East Coast | 740 | 28 | 712 | 8 | 117 | 361 | 138 |
| Appal. No. 1 | 18 | 2 | 16 | -- | -- | 34 | 3 |
| **DISTRICT 1 TOTAL** | 758 | 30 | 728 | 8 | 117 | 395 | 141 |
| Ind., Ill., Ky. | 1,150 | 5 | 1,145 | 22 | 121 | 474 | 68 |
| Minn., Wisc., Daks. | 162 | -- | 162 | 1 | 28 | 64 | 7 |
| Okla., Kans., Mo. | 379 | 2 | 377 | 8 | 33 | 210 | 6 |
| **DISTRICT 2 TOTAL** | 1,691 | 7 | 1,684 | 31 | 182 | 748 | 81 |
| Inland Texas | 280 | 22 | 258 | 22 | 47 | 137 | 15 |
| Texas Gulf Coast | 1,513 | 2 | 1,511 | 28 | 310 | 608 | 194 |
| La. Gulf Coast | 1,131 | 23 | 1,108 | 10 | 251 | 598 | 128 |
| N. La. and Ark. | 48 | -- | 48 | 2 | 5 | 49 | 12 |
| New Mexico | 48 | 10 | 38 | 9 | -- | 18 | 1 |
| **DISTRICT 3 TOTAL** | 3,020 | 57 | 2,963 | 71 | 613 | 1,410 | 350 |
| **DISTRICT 4 TOTAL** | 229 | 40 | 189 | 14 | 32 | 112 | 9 |
| **DISTRICT 5 TOTAL** | 1,315 | 152 | 1,163 | 33 | 374 | 473 | 266 |
| **TOTAL U.S.** | 7,013 | 286 | 6,727 | 157 | 1,318 | 3,138 | 847 |
| **TOTAL U.S. Weeks Ended:** | | | | | | | |
| SEP. 13, 1991 | 7,270 | 286 | 6,984 | 150 | 1,344 | 3,107 | 884 |
| SEP. 21, 1990 | 7,214 | 283 | 6,931 | 225 | 1,337 | 2,921 | 901 |
| **DISTRICTS 1-4 Weeks Ended:** | | | | | | | |
| SEP. 20, 1991 | 5,698 | 134 | 5,564 | 124 | 944 | 2,665 | 581 |
| SEP. 13, 1991 | 6,005 | 118 | 5,887 | 103 | 970 | 2,612 | 557 |
| SEP. 21, 1990 | 5,942 | 127 | 5,815 | 167 | 955 | 2,471 | 525 |

[1]Total motor gasoline is equal to the sum of finished leaded and finished unleaded motor gasoline.

[2]Includes Grade No. 4 fuel oil.

## STOCKS OF SELECTED PRODUCTS
(In thousands of 42-gallon barrels)

| DISTRICT | Total Motor Gasoline[1] | Motor Gasoline | | | Jet Fuel | | Distillate Fuel Oil[2] | Residual Fuel Oil | Unfinished Oils |
|---|---|---|---|---|---|---|---|---|---|
| | | Finished Leaded | Finished Unleaded | Blending Components | Naphtha Type | Kerosine Type | | | |
| New England | 3,615 | 17 | 3,577 | 21 | 55 | 730 | 6,601 | 356 | -- |
| Central Atlantic | 26,621 | -- | 21,345 | 5,276 | 97 | 6,106 | 35,977 | 17,018 | 13,229 |
| Lower Atlantic | 28,032 | 23 | 27,526 | 483 | 209 | 4,488 | 14,693 | 2,905 | 351 |
| **DISTRICT 1 TOTAL** | 58,268 | 40 | 52,448 | 5,780 | 361 | 11,324 | 57,271 | 20,279 | 13,580 |
| **DISTRICT 2 TOTAL** | 58,039 | 970 | 49,942 | 7,127 | 958 | 9,342 | 32,781 | 3,689 | 17,347 |
| **DISTRICT 3 TOTAL** | 61,898 | 575 | 44,982 | 16,341 | 2,045 | 16,444 | 30,929 | 14,974 | 52,119 |
| **DISTRICT 4 TOTAL** | 5,162 | 927 | 2,789 | 1,446 | 256 | 918 | 2,865 | 459 | 2,086 |
| **DISTRICT 5 TOTAL** | 29,939 | 4,165 | 18,046 | 7,728 | 1,460 | 6,686 | 11,832 | 8,370 | 24,208 |
| **TOTAL U.S.** | 213,306 | 6,677 | 168,207 | 38,422 | 5,080 | 44,714 | 135,678 | 47,771 | 109,340 |
| **TOTAL U.S. Weeks Ended:** | | | | | | | | | |
| SEP. 13, 1991 | 213,236 | 6,753 | 168,904 | 37,579 | 5,048 | 44,284 | 132,857 | 46,171 | 109,727 |
| SEP. 21, 1990 | 222,263 | 10,760 | 171,364 | 40,139 | 6,094 | 42,265 | 136,495 | 52,219 | 113,303 |
| **DISTRICTS 1-4 Weeks Ended:** | | | | | | | | | |
| SEP. 20, 1991 | 183,367 | 2,512 | 150,161 | 30,694 | 3,620 | 38,028 | 123,846 | 39,401 | 85,132 |
| SEP. 13, 1991 | 183,158 | 2,499 | 151,243 | 29,416 | 3,428 | 37,336 | 121,243 | 37,976 | 85,781 |
| SEP. 21, 1990 | 190,694 | 5,678 | 154,192 | 30,824 | 4,513 | 35,359 | 124,847 | 44,589 | 87,910 |

[1]Total motor gasoline stocks is equal to the sum of finished leaded stocks, finished unleaded stocks and motor gasoline.

[2]Includes Grade No. 4 fuel oil.

API WEEKLY STATISTICAL BULLETIN
Week Ended September 20, 1991

## ESTIMATED DOMESTIC PRODUCTION OF CRUDE OIL (INCLUDING LEASE CONDENSATE), IMPORTS, CRUDE OIL SUPPLY BALANCE AND STOCKS OF CRUDE OIL

(In thousands of 42-gallon barrels)

| Weeks Ended: | Estimated Domestic Production[1] API Monthly | Estimated Domestic Production[1] Latest Dept. of Energy April 1991 | Crude Oil Imports[1] Total | Crude Oil Imports[1] From Canada | Crude Oil Stocks By Location[1] |
|---|---|---|---|---|---|
| | Daily Average | | | | |
| **DISTRICTS 1-4 TOTAL** | | | | | |
| SEP. 20, 1991 | 4,476.0 | 4,672.0 | 6,052 | 612 | 260,813 |
| SEP. 13, 1991 | 4,476.0 | -- | 5,455 | 629 | 262,258 |
| SEP. 6, 1991 | 4,491.0 | -- | 6,004 | 686 | 264,942 |
| AUG. 30, 1991 | 4,491.0 | -- | 6,000 | 752 | 269,735 |
| **DISTRICT 5 TOTAL** | | | | | |
| SEP. 20, 1991 | 2,736.0 | 2,761.0 | 197 | -- | 73,498 # |
| SEP. 13, 1991 | 2,736.0 | -- | 148 | 13 | 73,753 |
| SEP. 6, 1991 | 2,713.0 | -- | 26 | 11 | 77,397 |
| AUG. 30, 1991 | 2,713.0 | -- | 382 | 19 | 80,532 |
| **TOTAL U.S.** | | | | | |
| SEP. 20, 1991 | 7,212.0 | 7,433.0 | 6,249 | 612 | 334,311 # |
| SEP. 13, 1991 | 7,212.0 | -- | 5,603 | 642 | 336,011 |
| SEP. 6, 1991 | 7,204.0 | -- | 6,030 | 697 | 342,339 |
| AUG. 30, 1991 | 7,204.0 | -- | 6,382 | 771 | 350,267 |
| SEP. 21, 1990 | 7,224.0 a/ | -- | 6,032 | 692 | 364,012 |

#INCLUDES 17,929 BBLS. OF ALASKAN CRUDE OIL IN TRANSIT BY WATER.

a/ DOE actual for September 1990.

### DAILY AVERAGE CRUDE OIL SUPPLY BALANCE[1] (In thousands of 42-gallon barrels)

| Week Ended: | Current | 1990 Averages Absolute | 1990 Averages Positive | 1990 Averages Negative |
|---|---|---|---|---|
| SEP. 20, 1991 | 293 | 476 | 555 | -180 |

### LOCATION OF CRUDE OIL STOCKS[1]

(In thousands of 42-gallon barrels)

| Location | District 1 | District 2 | District 3 | District 4 | Districts 1-4 | District 5 | Total U.S. |
|---|---|---|---|---|---|---|---|
| **Weeks Ended:** | | | | | | | |
| SEP. 20, 1991 | 15,904 | 69,840 | 163,153 | 11,916 | 260,813 | 73,498 # | 334,311 # |
| SEP. 13, 1991 | 15,083 | 70,445 | 165,090 | 11,640 | 262,258 | 73,753 | 336,011 |
| SEP. 21, 1990 | 16,900 | 77,328 | 182,436 | 10,599 | 287,263 | 76,749 | 364,012 |

[1]See definitional notes, Page 6.

## IMPORTS OF PETROLEUM PRODUCTS
(Daily averages in thousands of 42-gallon barrels)

| DISTRICT | Total Motor Gasoline[1] | Motor Gasoline: Finished Leaded | Motor Gasoline: Finished Unleaded | Gasoline[2] Blending Components | Jet Fuel: Naphtha Type | Jet Fuel: Kerosine Type | Distillate Fuel Oil[3] | Residual Fuel Oil | L.P.G. | Unfinished Oils | Other | Total |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| New England | 180 | -- | 180 | -- | -- | 6 | 173 | 42 | 2 | -- | -- | 403 |
| Central Atlantic | 226 | -- | 226 | 74 | 6 | 66 | 281 | 447 | 3 | 82 | 126 | 1,311 |
| Lower Atlantic | -- | -- | -- | -- | -- | 48 | -- | 30 | -- | -- | 19 | 97 |
| **DISTRICT 1 TOTAL** | | | | | | | | | | | | |
| SEP. 20, 1991 | 406 | -- | 406 | 74 | 6 | 120 | 454 | 519 | 5 | 82 | 145 | 1,811 |
| SEP. 13, 1991 | 396 | 1 | 395 | 5 | 6 | 34 | 156 | 200 | 7 | 149 | 18 | 971 |
| SEP. 6, 1991 | 239 | -- | 239 | 29 | 7 | 78 | 190 | 455 | 8 | 208 | 27 | 1,241 |
| AUG. 30, 1991 | 406 | -- | 406 | 20 | 7 | 29 | 98 | 323 | 13 | 146 | 30 | 1,072 |
| **DISTRICTS 2-4 TOTAL** | | | | | | | | | | | | |
| SEP. 20, 1991 | 9 | -- | 9 | 5 | 1 | -- | 30 | 124 | 63 | 209 | 137 | 578 |
| SEP. 13, 1991 | 8 | -- | 8 | -- | 1 | -- | 8 | 35 | 80 | 454* | 89 | 675* |
| SEP. 6, 1991 | 6 | -- | 6 | 2 | 1 | -- | 11 | 55 | 78 | 318 | 149 | 620 |
| AUG. 30, 1991 | 13 | -- | 13 | 2 | 1 | -- | 5 | 114 | 128 | 251 | 176 | 690 |
| **DISTRICT 5 TOTAL** | | | | | | | | | | | | |
| SEP. 20, 1991 | 15 | -- | 15 | -- | -- | 4 | 6 | 69 | 1 | 6 | 19 | 120 |
| SEP. 13, 1991 | 7 | -- | 7 | -- | -- | 2 | -- | 6 | 8 | 7 | -- | 30 |
| SEP. 6, 1991 | 43 | -- | 43 | -- | -- | 4 | 1 | 8 | 3 | 3 | 40 | 102 |
| AUG. 30, 1991 | 12 | -- | 12 | -- | -- | 2 | 1 | 10 | 4 | 5 | 2 | 36 |
| **TOTAL U.S.** | 430 | -- | 430 | 79 | 7 | 124 | 490 | 712 | 69 | 297 | 301 | 2,509 |
| **TOTAL U.S. Weeks Ended:** | | | | | | | | | | | | |
| SEP. 13, 1991 | 411 | 1 | 410 | 5 | 7 | 36 | 164 | 241 | 95 | 610* | 107 | 1,676* |
| SEP. 6, 1991 | 288 | -- | 288 | 31 | 8 | 82 | 202 | 518 | 89 | 529 | 216 | 1,963 |
| AUG. 30, 1991 | 431 | -- | 431 | 22 | 8 | 31 | 104 | 447 | 145 | 402 | 208 | 1,798 |
| SEP. 21, 1990 | 215 | 19 | 196 | 75 | 2 | 72 | 220 | 255 | 153 | 228 | 175 | 1,395 |

[1]Total motor gasoline imports is equal to the sum of finished leaded imports and finished unleaded imports.

[2]Gasoline blending components are not included in total motor gasoline imports.

[3]Includes Grade No. 4 fuel oil.

*See Revisions on Page 7.

## DEFINITIONAL NOTES

### Page 3—Stocks of Selected Products

The inventories shown are stocks located at refineries, bulk terminals, and in pipelines and include stocks held by independent bulk terminal operators. These inventories include stocks not available for shipment, those available for current shipment, and those held in reserve for shipment during the high consuming season as a supplement to then current production. Stocks not available are those required for processing, held in tank bottoms, in pipeline fill, and in other equipment in order to assure contiguous operations.

Stocks of unleaded and leaded motor gasoline represent only finished motor gasoline located at refineries, pipelines and bulk terminals. A large portion of motor gasoline stocks at refineries consists of components which may be blended or compounded to produce either finished leaded or unleaded motor gasoline. Consequently, these stocks cannot be classified as either finished leaded or unleaded motor gasoline. The sum of finished leaded and unleaded motor gasoline stocks plus the components stocks equals total motor gasoline stocks.

### Pages 3 and 5—Stocks and Imports of Petroleum Products

District 1 is composed of three areas which are described by the Department of Energy as follows:

New England—Maine, New Hampshire, Vermont, Massachusetts, Rhode Island, and Connecticut.
Central Atlantic—New York, New Jersey, Pennsylvania, Delaware, Maryland, and the District of Columbia.
Lower Atlantic—Virginia, West Virginia, North Carolina, South Carolina, Georgia, and Florida.

### Page 4—Estimated Domestic Production

Monthly production represents an API estimate as of the first week of the month. This estimate may be revised at a subsequent date as more current information is received.

#### Crude Oil Imports

Crude oil (includes lease condensate) produced outside the 50 states. Material from the Athabasca tar sands is included.
Reported on a Port of Entry basis.
The Total of crude oil imports includes those from Canada.
Data do not include oil imported for the Strategic Petroleum Reserve.

#### Crude Oil Stocks by Location

Producer's stocks on leases are included.
Data do not include crude oil stocks held in the Strategic Petroleum Reserve.

#### Crude Supply Balance

Crude Supply Balance is the arithmetic difference, expressed in MB/D, between those factors that make up the availability of crude oil (Supply), i.e., estimated domestic crude oil production plus imports plus or minus the change in crude oil stocks, and those factors that convert or consume crude oil (Disposition), i.e., crude oil refinery inputs, exports, product supplied (used directly as fuel) and losses. A negative volume indicates a supply greater than disposition while a positive number indicates insufficient supply to balance.

### Pages 4 and 5—Imports of Crude Oil and Petroleum Products

The estimates of imports published by the API are based on data supplied by reporting companies. These data exclude imports into Puerto Rico and the Virgin Islands but included shipments from Puerto Rico and the Virgin Islands to the U.S. mainland as imports. API classifies all withdrawals from bonded storage as imports.

## INTERPRETIVE NOTES

Definitions used by the API throughout the Weekly Statistical Bulletin are the same as those used by the Department of Energy in its monthly and annual Petroleum Statements.

Unleaded gasoline is gasoline containing not more than 0.05 gram of lead per gallon and not more than 0.005 gram of phosphorous per gallon.

Data presented in the Bulletin are for the week ended 7 a.m. Friday. The date specified should not be considered as part of that week when calculating a month's total for production or the interpolation of a month's-end stock figure as of midnight of the last day of the month. *Example: a stock figure for a week ended 7 a.m. on the first of the month should be considered to be as of midnight of the previous month's last day.*

Totals for the U.S. published in the Bulletin exclude data for Puerto Rico, Virgin Islands, and other non-contiguous territories.

Data published in the Weekly Statistical Bulletin are estimates made by the API Finance, Accounting and Statistics Department based on data collected from reporting companies.

Data for the corresponding week of last year are from the published Bulletin for that week and are not adjusted to reflect subsequently published DOE monthly data. Final monthly data are available in the DOE, Petroleum Supply Annual.

API WEEKLY STATISTICAL BULLETIN
WEEK ENDED: SEP. 20, 1991

## REVISIONS

| | | | |
|---|---|---|---|
| PAGE 5 | UNFINISHED OIL | DISTRICTS 2-4 TOTAL | 454 |
| | | TOTAL U.S. | 610 |
| | TOTAL | DISTRICTS 2-4 TOTAL | 675 |
| | | TOTAL U.S. | 1,676 |